

## **CLAIMS**

What is claimed is:

1. A method of zooming digital images by a single coordinate, comprising:

    displaying an image in a display area, wherein said image being displayed according to an image information;

    acquiring a position base of said image information, wherein said position base being acquired according to said image information relative to a coordinate of said display area;

    acquiring a zooming ratio; and

    using said image information to renew a zoomed image in said display area according to said zooming ratio and said position base.

2. The method according to claim 1, wherein said coordinate is acquired by shifting an index displayed in said display area to said coordinate and therefore position of said index is said coordinate.

3. The method according to claim 1, wherein said index is a cursor.

4. The method according to claim 1, wherein said zooming ratio is acquired by choosing one from a plurality of default zooming ratios.

5. The method according to claim 1, wherein said zooming ratio is acquired by manual input.

6. The method according to claim 1, wherein said zoomed image is

renewed directly in said display area according to said position base and said zooming ratio.

7. The method according to claim 1, wherein coordinate of central position of said display area is further acquired when acquiring a position base of said image information.

8. The method according to claim 7, wherein said zoomed image is renewed in central position of said display area according to said position base, said zooming ratio and coordinate of said central position.

9. The method according to claim 1, wherein said display area comprises four corners, upper left-hand, upper right-hand, lower left-hand and lower right-hand, and said zoomed image is renewed in one corner of said display area according to said position base and said zooming ratio.

10. The method according to claim 1, wherein said zoomed image is zoomed in according to said zooming ratio.

11. The method according to claim 1, wherein said zoomed image is zoomed out according to said zooming ratio.

12. The method according to claim 6, wherein size of said zooming ratio conforms to said display area when said zoomed image is displayed directly.

13. A method of zooming digital images by a plurality of coordinates, comprising:

displaying an image in a display area, wherein said image being displayed according to an image information;

acquiring a 1<sup>st</sup> coordinate of said image information;

acquiring a 2<sup>nd</sup> coordinate of said image information;

acquiring a position base relative to a zoomed image of said 1<sup>st</sup> coordinate and said 2<sup>nd</sup> coordinate, wherein said position base being acquired according to said 1<sup>st</sup> coordinate and said 2<sup>nd</sup> coordinate;

calculating a zooming ratio; and

using said image information to renew said zoomed image in said display area according to said zooming ratio and said position base.

14. The method according to claim 13, wherein coordinate of central position of said display area is further acquired when acquiring said position base.

15. The method according to claim 13, wherein a relative coordinate is acquired by shifting an index displayed in said display area respectively to said 1<sup>st</sup> coordinate and said 2<sup>nd</sup> coordinate and therefore position of said index is said relative coordinate.

16. The method according to claim 13, wherein said zooming ratio is acquired by a ratio of perpendicular width of said display area

relative to perpendicular distance between said 1<sup>st</sup> coordinate and 2<sup>nd</sup> coordinate.

17. The method according to claim 13, wherein said zooming ratio is acquired by a ratio of horizontal width of said display area relative to horizontal distance between said 1<sup>st</sup> coordinate and 2<sup>nd</sup> coordinate.

18. The method according to claim 13, wherein said position base is taking a central point between position of said 1<sup>st</sup> coordinate and position of said 2<sup>nd</sup> coordinate as said position base, then renewing a zoomed image in central position of said display area according to said central point of said position base and coordinate of said central position.

19. The method according to claim 13, wherein said display area comprises four corners, upper left-hand, upper right-hand, lower left-hand and lower right-hand, and said image information is taking said 1<sup>st</sup> coordinate as said position base, then said zoomed image is renewed in one corner of said display area according to said position base and said zooming ratio.

20. The method according to claim 13, wherein said zoomed image is zoomed in according to said zooming ratio.

21. The method according to claim 13, wherein said zoomed image is zoomed out according to said zooming ratio.

22. The method according to claim 13, wherein size of said zoomed image conforms to said display area.

23. A system of zooming digital images, comprising:

an image memory unit, configured for saving an image information;

an interface unit, configured for producing a position and a zooming ratio, wherein said position base being a specific position in said image information;

an image processing unit, configured for using said image information to renew an image displayed in said display area according to said zooming ratio and said position base; and

a display unit, configured for displaying said image in said image area.

24. The method according to claim 23, further comprising a temporal storage unit configured for saving said position base, said zooming ratio and said image.

25. The method according to claim 23, wherein said interface unit further comprises an index and said index is used to control position of said index by said interface unit, and position of said index displayed in said display area is relative to an index coordinate.

26. The method according to claim 23, wherein said position base is

acquired according to said index coordinate when said index is shifted to a specific position.

27. The method according to claim 23, wherein said zooming ratio is acquired by choosing one from a plurality of default zooming ratios.

28. The method according to claim 23, wherein said zooming ratio is manually inputted.

29. The method according to claim 23, wherein said zooming ratio is produced directly according to a 1<sup>st</sup> coordinate and a 2<sup>nd</sup> coordinate of said display area.

30. The method according to claim 29, wherein said 1<sup>st</sup> coordinate and said 2<sup>nd</sup> coordinate is acquired by coordinate of said index after shifting said index to two specific positions in sequence.

31. The method according to claim 29, wherein said position base is one between said 1<sup>st</sup> coordinate and said 2<sup>nd</sup> coordinate.

32. The method according to claim 29, wherein said zooming ratio is acquired by a ratio of horizontal width of said display area relative to horizontal distance between said 1<sup>st</sup> coordinate and 2<sup>nd</sup> coordinate.

33. The method according to claim 29, wherein said zooming ratio

is acquired by a ratio of perpendicular width of said display area relative to perpendicular distance between said 1<sup>st</sup> coordinate and 2<sup>nd</sup> coordinate.

34. The method according to claim 29, wherein said position base is taking a central point between position of said 1<sup>st</sup> coordinate and position of said 2<sup>nd</sup> coordinate as said position base, then renewing a zoomed image in central position of said display area according to said central point of said position base and coordinate of said central position.

35. The method according to claim 29, wherein said interface unit further comprises providing an option configured for choosing acquiring method of said zooming ratio.

36. The method according to claim 23, wherein said zoomed image is renewed according to central position of said display area.

37. The method according to claim 23, wherein said display area comprises four corners, upper left-hand, upper right-hand, lower left-hand and lower right-hand, and said image information is taking said 1<sup>st</sup> coordinate as said position base, then said zoomed image is renewed in one corner of said display area according to said position base and said zooming ratio.

38. The method according to claim 23, wherein said zoomed image is zoomed in according to said zooming ratio.

39. The method according to claim 23, wherein said zoomed image is zoomed out according to said zooming ratio.